

STEREO MOC Status Report
Time Period: 2019:259 - 2019:265

STEREO Ahead (STA) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 261, during the DSS-63 support, turbo decoder lock was lost intermittently at 1746z and again at 1854z due to heavy rain at the Madrid complex. SSR pointers were repositioned at 1816z to minimize data loss. This anomaly resulted in the loss of 2080 frames of SSR data. See DR# M111766 for more information.
- On day 265, during the DSS-34, turbo decoder lock was lost briefly at 0910z. This anomaly resulted in the loss of one frame of SSR data.

2. The following spacecraft/instrument events occurred during this week. The Ahead observatory operated nominally during this week.

- On day 260, the 122nd momentum dump was executed successfully at 1600z, which imparted an estimated delta V of 0.084 m/sec. This was the 41st momentum dump that did not use the IMU. After thruster operations completed, there was a 0.55 degree of roll angle error. Fine pointing stabilized 2.2 minutes after completion of the momentum dump.
- The average daily science data return for Ahead was 6.0 Gbits during this week.